

5/9/85
AM-ASAP

WPI - 4/17/85

5-9-85
Approved
SAHul

PERMIT

P 34548

A 33737

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

05-352800

ELLICOTT CITY

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

DISTRICT 5th.

INDEXED

DATE 11/08/84

Oskar Schulz IS PERMITTED TO INSTALL ALTER

ADDRESS 6610 Blackwatch Lane, Highland, MD PHONE 531-2000

SUBDIVISION _____ ROAD 9495 Lovat Road LOT _____

PROPERTY OWNER Guy Hawkins

ADDRESS _____

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

DRY WELL OR DRY WELL AND TRENCH - 125 sq. ft. per bedroom. Inlet 3 feet below original grade. Bottom maximum depth 10 feet below original grade. Effective area begins at 3 feet below original grade. NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with 7 feet of stone below distributic pipe. OR TRENCHES - 158 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 10 feet below original grade. Effective area begins at 3 feet below original grade. 7 feet of stone below distribution pipe. LOCATION: Place the dry well 149 feet from the back lot line which is 942.81 ft. long and 201 feet from the well (perc hole (2)). Run trench toward perc hole (1) is located 49 feet from the lot line which is 942.81 ft. long and 169 feet from perc hole (1). If trench system, run ditches between perc hole (1) & (2). NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Trenches to be installed on level ground. Call for inspection of trench before and after gravel is installed. Provide 6" - 8" diameter cleanout an and cap to grade or above on septic tank and drywell.

PLANS APPROVED BY Raymond Hodges DATE 4/24/84

COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

NOTE: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER. NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH.

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 40 PVC OR ABS.

PERMIT VOID AFTER THREE YEARS.

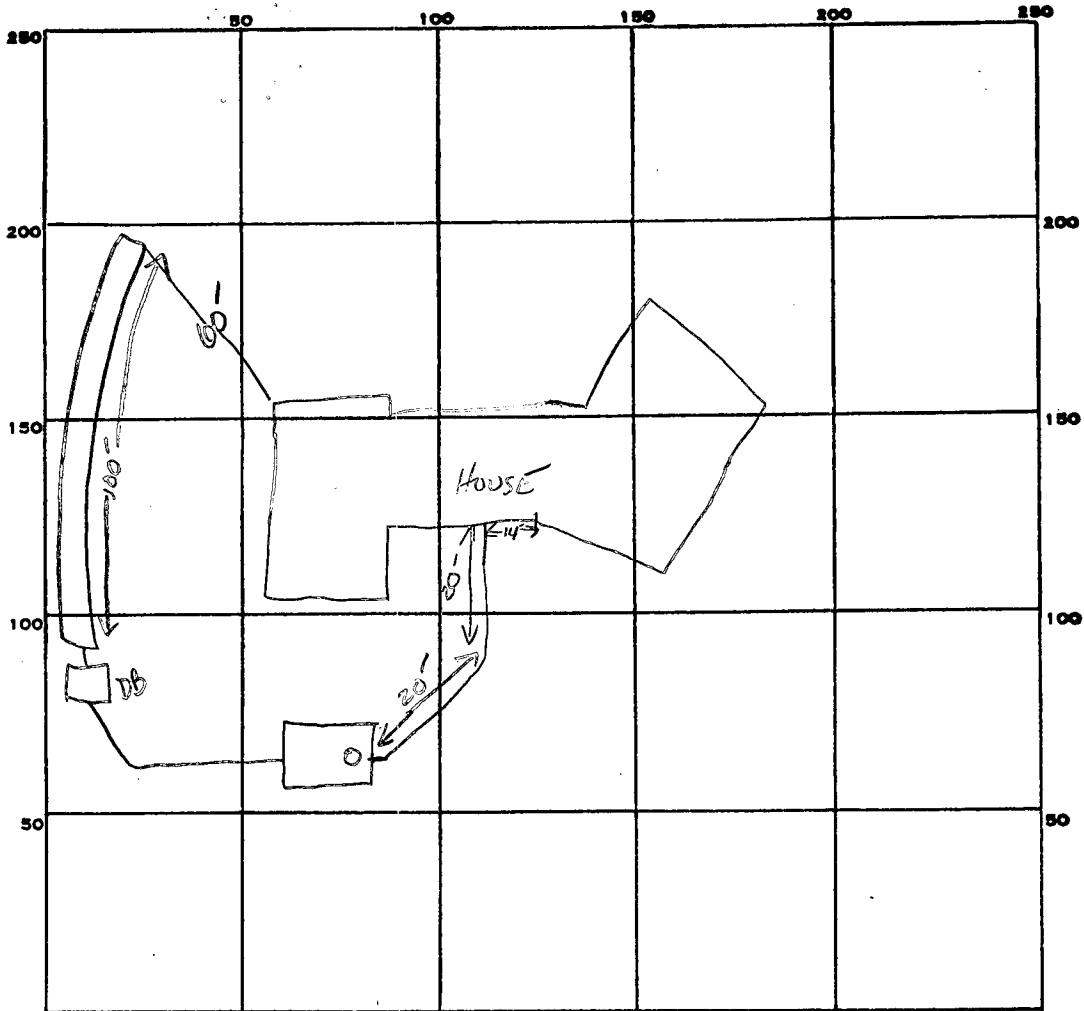
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 33737



INDICATE NORTH. -- NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD

SEPTIC TANK, LEVEL 1500 CLEANOUTS ST

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH 10' FT. TRENCH WIDTH 2 FT. INLET 3"

GRAVEL DEPTH 7' IN TOTAL LENGTH 100 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 700

SEEPAGE PITS, INSIDE DIAMETER — FT. DEPTH BELOW INLET — FT.

ABSORBENT AREA 700 SQ. FT.

REMARKS 5-9-85 OK TO ADD SAND TO TRENCH; OK TO COVER PIPE FROM HOUSE TO ST SAVED
5-9-85 OK TO COVER ALL WORK

DATE SYSTEM APPROVED 5-9-85 INSPECTOR SABUL

PRELIMINARY

APPLICATION

4/24/84
9:30 A.M.

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 33737

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

*See separate sheet
for Specs*

DISTRICT 5th

DATE 4/5/84

BLDG. PERMIT SIGNED
AND RETURNED 7/9/84

Serial #59181 SFD.

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Guy M. Hawkins
1009 Tanley Road
ADDRESS Silver Spring, Md 20904 PHONE Oskar Schulz 531-2000

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____
ROAD AND DESCRIPTION 9495 Lovat Rd.

SIZE OF LOT 11.132 acres TYPE BLDG. SFD, 4 per B.P. 5918
(NUMBER OF BEDROOMS)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

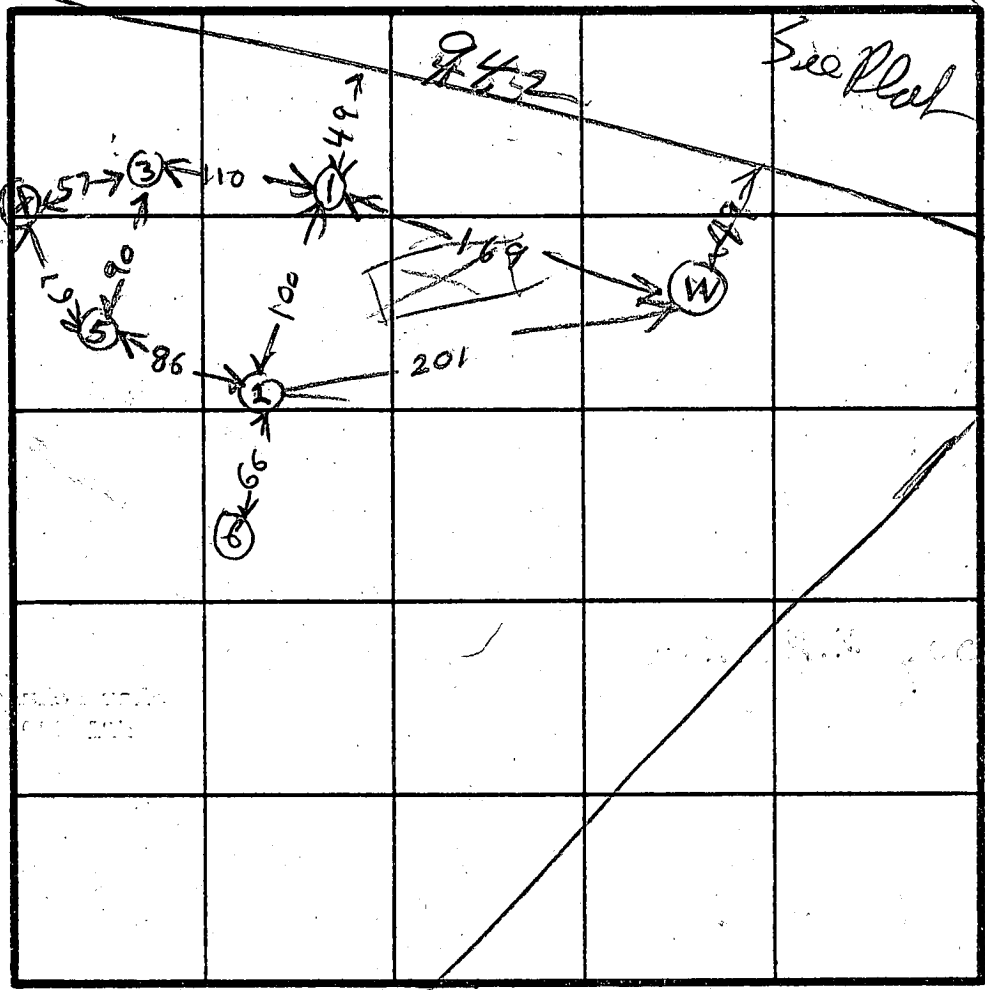
APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 4/24/84. Per O.R. Hold
for Septic System plans &
certification of perc holes B.H.

THIS IS NOT A PERMIT



SOIL PROFILE

1
BROWN CLAY
2
BROWN SAND MICA LOAM
14

5
BROWN CLAY
BROWN SAND LOAM
12 1/2

6
RED BROWN CLAY
6
SANDY WATER
10 1/2

2
BROWN CLAY
3 1/2
BROWN SAND MICA LOAM
14

3
BROWN CLAY
BROWN SAND MICA
HARD BOTTOM

4
BROWN SAND MICA LOAM
EH-12-1079
HARD BOT

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	HOLE ELEV
			START	STOP	START	STOP		
4/24/84	1S	3	1030	1033	1033	1038	5	(6) LOWEST (1) (2) HIGH (4) MEDIUM
	1V	13	LOOKS	OK				
	2S	4 1/2	1040	1042	1042	1046	4	
	2V	14	LOOKS	OK				
	3S	3 1/2	1057	1058	1058	1101	3	
	3V	11	LOOKS	OK				
	4S	3	1103	1105	1105	1108	3	
	4V	18	LOOKS	OK				
	5S	3 1/2	1115	1117	1117	1120	3	
	5V	12 1/2	LOOKS	OK				
	6V	10 1/2	LOOKS	UNSATISFACTORY				

REMARKS: Per OK Hold for Plat

TYPE OF SOIL

TESTED BY B. HOJGES

BUILDER SO SCHULTZ
ALSO PRESENT VOLKER SCHULTZ

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HO-81-0444

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

3/19/84 1:30 P.M.

Date Received

022184

OWNER INFORMATION

Hawkins Guy

LOVAT ROAD

FULTON MD.

B 3

LOCATION OF WELL

Howard

8 COUNTY

SECTION 45 LOT 33

Fulton

MILES FROM TOWN 3.5 MI

DRILLER INFORMATION

Wm. W. Reichart 064

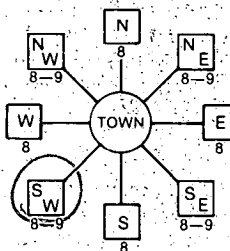
Wm. W. Reichart, Inc

RD #2 Box 54 Hanover, PA 17331

Signature: Wm. W. Reichart Date: 2/13/84

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Lovat Rd

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

900

DISTANCE FROM ROAD

ENTER FT or MI FT

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Home (single or double household unit only)
Farming (livestock watering & agricultural irrigation)
Industrial, commercial, state and federal gov. other
Public or private water company
Test, observation, monitoring

APPROXIMATE DEPTH OF WELL 350 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- Bored (or Augered)
Jetted
Jetted & Driven
Air-Rotary
Air-PerCussion
Rotary (Hydraulic Rotary)
Cable
Reverse-Rotary
Drive-Point

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- This well will not replace an existing well
This well will replace a well that will be abandoned and sealed
This well will replace a well that will be used as a standby
This well will deepen an existing well

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE FS INITIALS IN BOX PERMIT No. HO-81-0444

SPECIAL CONDITIONS

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD

W 33575

COUNTY NAME COUNTY NO.

OEP SIGNATURE STATE HEALTH INSERT S

DATE ISSUED 030984 Frank Shuman 9/9/84

NORTH GRID 475000 EAST GRID 0818000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

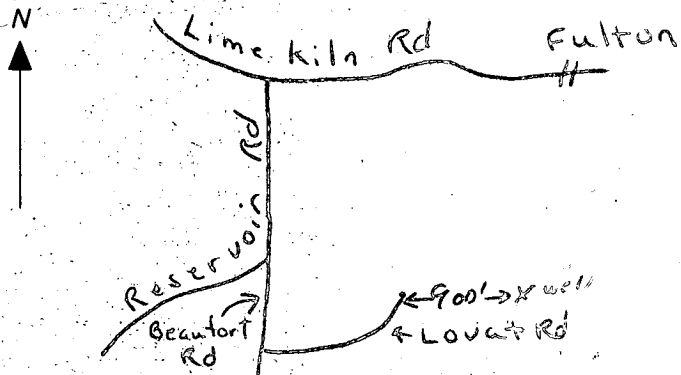
1. Approved well

WRITE THE BOX NUMBER FROM THE MAP HERE

810 8
470 5

35' casing
28 1/2' open hole
1 ft. casing above grade
30' pipe jetted
8 bags of cement well
5 bags of cement used to fill dry hole previously
OK F.S.

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



C1 **4533** (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND WELL COMPLETION REPORT
 FILL IN THIS FORM COMPLETELY
 PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER **W33575**

DATE Received [] [] [] [] [] [] DATE WELL COMPLETED **031914** Depth of Well **100** (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **40-81-0444**

OWNER **Hawkins Guy** last name first name
 STREET OR RFD **Lovat Rd.** TOWN **Fulton**
 SUBDIVISION **tax map 45 ; parcel 33** SECTION **LOT**

WELL LOG
 Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
rolling ground & gravel	0	33'	
schist	33'	46'	
water			—
schist	46'	74'	
water			—
schist	74'	100'	
dry hole (backfilled)	0	400'	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **45** NO. OF POUNDS **768**
 GALLONS OF WATER **56**
 DEPTH OF GROUT SEAL (to nearest foot)
 from [] [] [] [] ft. to **33** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO** **PL** **OT**
 STEEL CONCRETE PLASTIC OTHER

MAIN CASING Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **34**

OTHER CASING (if used)
 diameter inch depth (feet) from to

SCREEN RECORD
 screen type or open hole insert appropriate code below
ST **BR** **HO** **PL** **OT**
 STEEL BRASS OPEN HOLE PLASTIC OTHER

C2

EACH SCREEN	DEPTH (nearest ft.)	
	1	2
1	HO 34	100
2		
3		

SLOT SIZE 1: 2: 3:
 DIAMETER OF SCREEN (NEAREST INCH) [] [] [] [] [] []

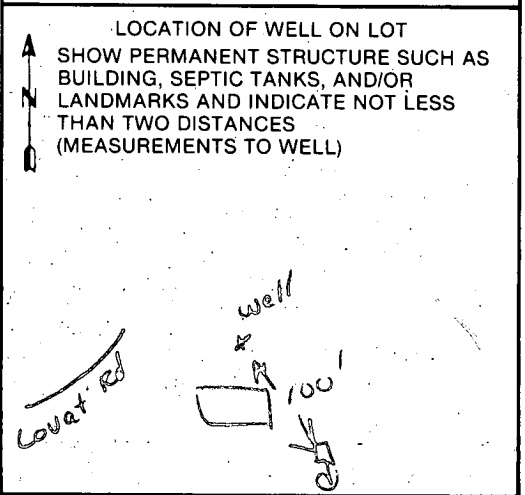
GRAVEL PACK from to
 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) WQ
 70 [] 72 [] 74 [] 75 [] 76 []
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST
 HOURS PUMPED (nearest hour) **5**
 PUMPING RATE (gal. per min. to nearest gal.) **10**
 METHOD USED TO MEASURE PUMPING RATE **watch bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **28** WHEN PUMPING **50**
 TYPE OF PUMP USED (for test)
A air **P** piston **T** turbine
C centrifugal **R** rotary **O** other (describe below)
J jet **S** submersible

PUMP INSTALLED
 DRILLER WILL INSTALL PUMP YES **NO**
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) [] [] [] [] [] []
 PUMP HORSE POWER [] [] [] [] [] []
 PUMP COLUMN LENGTH (nearest ft.) [] [] [] [] [] []
 CASING HEIGHT (circle appropriate box and enter casing height) **+** above } LAND SURFACE (nearest foot) **1** below }



CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

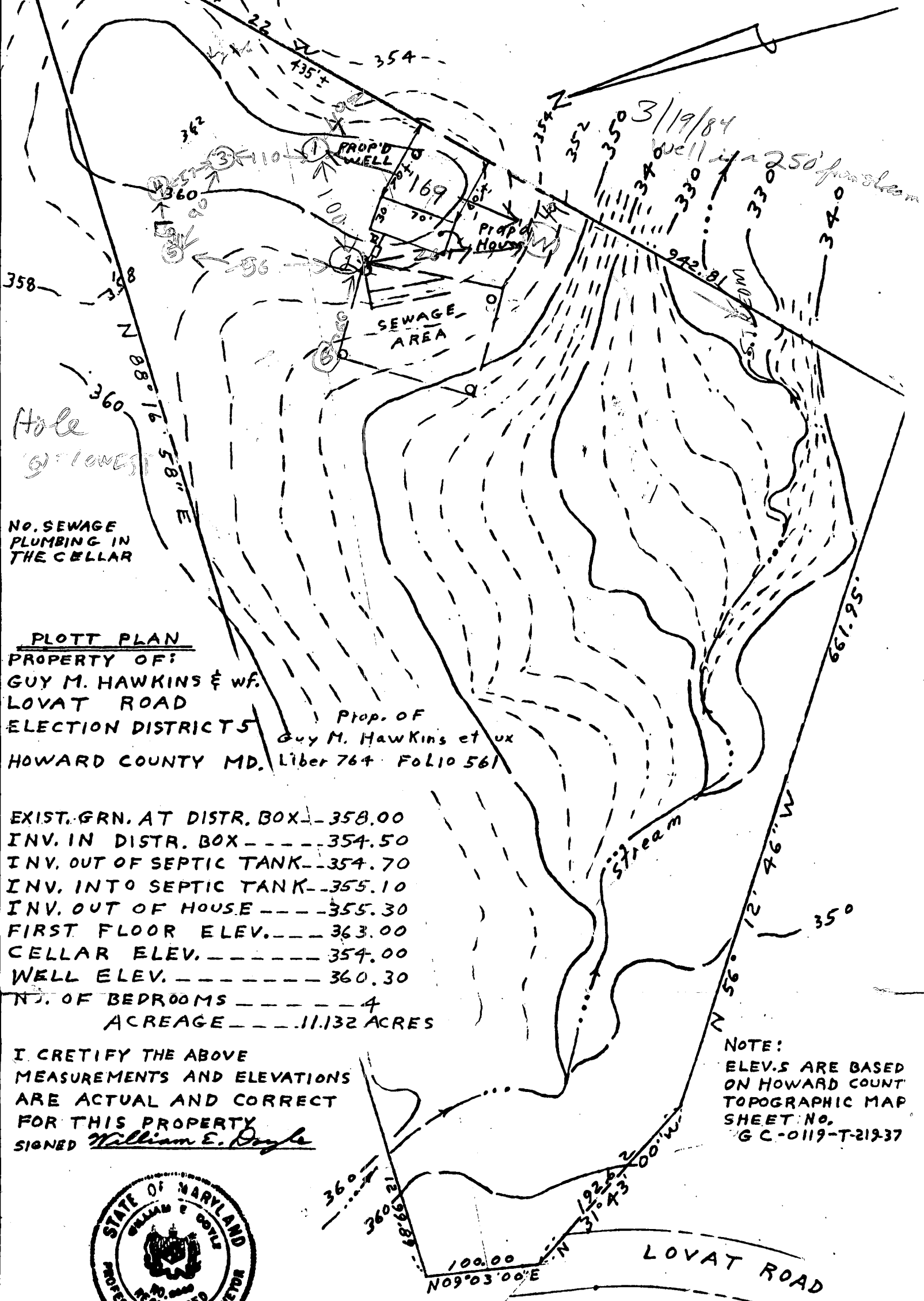
DRILLERS IDENT. NO. **064**
Wm W. Reichert
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
Robert W. Reichert
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

William E. Doyle

3/9/84
well site OK
F.S.

LAND SURVEYOR 8440

5312 EMERALD DRIVE SYKESVILLE, MARYLAND 21784 PHONE (301) 795-2210



Hole
9' lowest

NO. SEWAGE
PLUMBING IN
THE CELLAR

PLOTT PLAN
 PROPERTY OF:
 GUY M. HAWKINS & WF.
 LOVAT ROAD
 ELECTION DISTRICT 5
 HOWARD COUNTY MD.

Prop. of
 Guy M. Hawkins et ux
 Liber 764 Folio 561

- EXIST. GRN. AT DISTR. BOX --- 358.00
- INV. IN DISTR. BOX --- 354.50
- INV. OUT OF SEPTIC TANK --- 354.70
- INV. INTO SEPTIC TANK --- 355.10
- INV. OUT OF HOUSE --- 355.30
- FIRST FLOOR ELEV. --- 363.00
- CELLAR ELEV. --- 354.00
- WELL ELEV. --- 360.30
- N. OF BEDROOMS --- 4
- ACREAGE --- 11.132 ACRES

I CERTIFY THE ABOVE
 MEASUREMENTS AND ELEVATIONS
 ARE ACTUAL AND CORRECT
 FOR THIS PROPERTY
 SIGNED William E. Doyle

NOTE:
 ELEV.S ARE BASED
 ON HOWARD COUNT
 TOPOGRAPHIC MAP
 SHEET NO.
 GC-0119-T-21937

